



Tech Info Library

Installing Mac OS 7.6 Read Me (1/97)

Article Created: 24 January 1997

TOPIC -----

This article is the Installing Mac OS 7.6 ReadMe file.

DISCUSSION -----

Installing Mac OS 7.6

This document describes how to install Mac OS 7.6. It includes compatibility information, instructions for the Install Mac OS application program, and basic installation troubleshooting.

For more detailed information, see the Mac OS 7.6 installation manual.

WARNING: PowerTalk is not compatible with Mac OS 7.6. After you install Mac OS 7.6, you won't be able to access your PowerTalk mail or catalogs, nor will you be able to use your keychain or other PowerTalk services. See the Mac OS 7.6 installation manual for more information.

IMPORTANT: OpenDoc, Cyberdog, and the LaserWriter 8.4 driver use a common piece of software called the CFM 68K Runtime Enabler. Apple has discovered a problem with the CFM 68K Runtime Enabler and is not including it with Mac OS 7.6. You cannot install OpenDoc, Cyberdog, and the LaserWriter 8.4 driver on computers with 68030 and 68040 microprocessors. (These items are included with Mac OS 7.6 for computers with PowerPC microprocessors.)

You may have applications that use the CFM 68K Runtime Enabler. Additional Apple products that use this software include Apple Telecom software, version 3.0 or later, and the Apple Media Tool. These applications will not work on computers with 68030 and 68040 microprocessors and Mac OS 7.6. However, since the problem exists independently of Mac OS 7.6, you should still install Mac OS 7.6 and not use applications or versions of applications that require the CFM 68K Runtime Enabler. Apple is working on a solution to this problem and will release a new version of the 68K Runtime Enabler as soon as possible.

Before you install
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- Start up your computer using the Mac OS 7.6 CD-ROM disc or the Mac OS 7.6

Install Me First floppy disk. See your installation manual for instructions.

- Although compatibility problems are not expected, you can ensure a smooth upgrade by checking with the manufacturers of any non-Apple software you use to make sure it is compatible with Mac OS 7.6. If you do experience a problem, see the troubleshooting chapter in your installation manual for more information on isolating compatibility problems.
- If you have a portable computer, make sure that the computer is plugged in.
- You cannot install this software onto a portable computer running in SCSI disk mode. (With SCSI disk mode, you connect your portable computer with a SCSI Disk Adapter cable to another computer and use the portable computer as an external hard disk.)

If you're installing over a network or can't start up with the Mac OS 7.6 disks, be sure to do the following:

- Turn off any installed disk security, virus protection, and screen saver programs before beginning. Also turn off At Ease software, if you have it installed.
- If you are installing on a portable computer, or a desktop computer with energy-saving software installed, set the computer so it will not go to sleep or shut down automatically. For instructions, see the documentation that came with your computer.
- If you have AppleShare Workstation software version 3.6, 3.6.1, or 3.6.2, you need to upgrade to version 3.6.4 before you can install Mac OS 7.6 over a network. This software is provided in the Utilities folder on the Mac OS 7.6 CD-ROM disc. Install this version of AppleShare before proceeding with the Mac OS 7.6 installation.

Compatibility information

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- MacTCP users should note network settings before installing Mac OS 7.6
MacTCP is removed when Mac OS 7.6 is installed. (Mac OS 7.6 includes the TCP/IP control panel instead.) If you are currently using MacTCP, you should note your current network settings (IP address, subnet mask, and so on) before installing Mac OS 7.6. After the installation, enter your network settings in the TCP/IP control panel.
- Computers with 68030 or 68040 processor upgrade cards
Computers upgraded to 68030 or 68040 with a processor upgrade card are not supported by Mac OS 7.6.
- Performa or Power Macintosh 5000 and 6000 series computers
Some Performa or Power Macintosh 5200 series, 5300 series, 6200 series and 6300 series models cannot use Mac OS 7.6 until a hardware problem is fixed. The repairs are covered under the Apple repair extension program. To see if your computer has this hardware problem, use the 5xxx/6xxx Tester utility in the

Utilities folder on the CD before installing Mac OS 7.6.

IMPORTANT: The Power Macintosh or Performa 6360 does not have this hardware problem. If you have a Power Macintosh or Performa 6360, you do not need to use the tester program.

- Open Transport versions later than 1.1.1

Mac OS 7.6 installs Open Transport version 1.1.1. If you have a later version, you will need to reinstall it after installing Mac OS 7.6.

- Installing QuickDraw GX for use with a non-Apple printer

If you want to use QuickDraw GX with a non-Apple printer, you need to obtain a QuickDraw GX printer driver. You will not be able to use your non-Apple printer without a GX driver. Contact your printer vendor for details.

- Using the QuickDraw GX Installer when Adobe Acrobat is installed

If you use the QuickDraw GX Installer to either install or remove QuickDraw GX and your computer has Adobe Acrobat installed, Acrobat will display a message about missing fonts each time the computer is restarted. Reinstall Acrobat to stop the warning message.

- Installing Apple Remote Access client software when Open Transport PPP is already installed

Apple Remote Access installs older versions of modem scripts. If you install Apple Remote Access after Open Transport PPP, you'll see messages during the installation process. Respond that you want to use the newer versions of the modem scripts.

Using the Install Mac OS program

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To ensure a successful upgrade, you should use the Install Mac OS program to install the software. This program unifies the tasks recommended for a successful installation and simplifies the installation process. Be sure to follow all the steps on the Install Mac OS screen.

Update your hard disk drivers

Hard disks with drivers older than those included with System 7.5 might cause problems after installing Mac OS 7.6. Your computer might not start up, or you might not see the disk icons on the desktop. To avoid these and other potential problems, you should update your drivers.

To update your hard disk drivers, click the button for step 2 on the Install Mac OS screen. Read the dialog box that appears. You can't use the disk utilities provided by Apple if:

- You don't have an Apple computer, or you don't have an Apple hard disk. Check the instructions that came with your computer or hard disk to see if the manufacturer includes or recommends a disk utility, and use that utility to perform the update. Make sure to get the latest version of the disk utility (an old utility will install an old driver).

- You've previously used a non-Apple disk utility to format your disk or update the driver. You'll need to use that utility again to perform the update. Make sure to get the latest version of the disk utility (an old utility will install an old driver).
- You have a PowerBook 150 and no external drives attached to the computer. The driver for the PowerBook 150's internal hard disk is in the computer's ROM and doesn't need to be updated.

Otherwise, click Continue.

If you see an Update Driver button: Select a hard disk, then click Update Driver. Repeat this step for each hard disk attached to your computer.

If you don't see an Update Driver button: Click Drive until the "volume name" is a hard disk attached to your computer. Then click Update. Repeat this step for each hard disk attached to your computer.

Select a disk for installation

Click the button for step 3 on the Install Mac OS screen. Use the pop-up menu to choose the disk on which you want to install Mac OS 7.6.

For a typical installation, you need about 70 MB of disk space available on the disk you select. To install a minimal system, you need about 40 MB; to install all the optional software, you need about 120 MB.

Install the software

Click the button for step 4 on the main Install Mac OS screen. You'll see a list of software products.

Basic system software is automatically installed. On computers with PowerPC processors, OpenDoc and OpenDoc Essentials are also automatically installed. You can also choose to install the following software products. (Recommended choices are preselected.)

- QuickDraw 3D, to view and manipulate 3D images on your computer. Only computers with PowerPC microprocessors can use QuickDraw 3D.
- MacLinkPlus translators, to open documents created in applications you don't have with appropriate applications you do have, including DOS and Windows documents. (These translators work with the Mac OS Easy Open control panel.)
- Apple Remote Access client software, to connect to a remote computer (such as your computer at work) using a modem. (The remote computer must have ARA server software installed.)
- Cyberdog, an application to access the Internet. Cyberdog requires the PowerPC microprocessor.
- Open Transport PPP software, to connect to the Internet using a modem.
- English text-to-speech software, to have your computer read text and alert messages.
- QuickDraw GX, for enhanced printing and typographical capabilities.

For more information about these components, see the What's New chapter of your installation manual.

Click Start to install the software you selected.

Note for expert users: To perform a custom installation, click the Customize button in the Software Installations window. For more information, see the chapter on installing in the Mac OS 7.6 manual.

Update to Mac OS 7.6 manual for Custom Installation: The Mac OS 7.6 Custom install has three options for the type of system software you can install:

- Universal system for any supported computer
- System for this computer
- Minimum system for any supported computer

Only one of these items should be selected at a time.

Troubleshooting suggestions

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Some Apple-branded disks manufactured by third parties, including the Apple 365 MB external hard disk, are not supported by the Apple disk utilities. If your disk cannot be updated with the Apple utilities, you'll need to use a third-party disk utility to update the driver.

If you see a message that your disk has problems and cannot be repaired, turn off file sharing if it is on, then try installing again. If that doesn't work, try using another disk-repair utility. If you don't have another utility, or if that utility also doesn't work, you may need to reinitialize the disk. Copy all your files to another disk first, as reinitializing erases the disk. For more information about reinitializing, see the manual that came with your computer.

If you experience problems during installation, be sure to start up with the Mac OS 7.6 CD-ROM disc or the Mac OS 7.6 Install Me First floppy disk. See your Mac OS 7.6 installation manual for instructions.

If you're installing over a network, or if you have a non-Apple CD-ROM drive and can't start up with the CD, turn off all extensions that weren't provided with your system software. Then restart the computer.

- With System 7.5 or later, you can open the Extensions Manager control panel and choose System 7.5.x in the Sets pop-up menu, then restart the computer.
- If you're using an earlier version of system software, drag any non-Apple extensions out of your Extensions folder in the System Folder, then restart the computer. If you need to use non-Apple devices during installation, retain only those extensions. (Examples include video drivers, alternative input devices, network card drivers, and removable media.) If you don't know where a particular extension came from, select its icon, then choose Get Info from the File menu. Apple extensions all have "© Apple Computer, Inc" in the Version section of the Get Info box.

See the troubleshooting chapter in your installation manual for additional suggestions.

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Keywords: sys76,ktoutil

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This information is from the Apple Technical Information Library.

ArticleID: TECHINFO-0020841

19970218 12:34:27.00

Tech Info Library Article Number: 20841